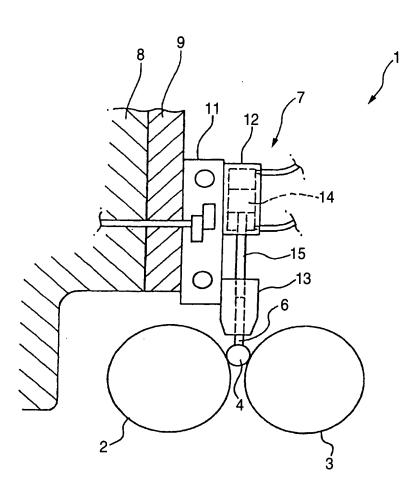


Inventor: Yuko KAMAMURA
Application No.: 10/820,002
Group Art Unit: 3682
Filing Date: August 20, 2004
SUGHRUE Reference No.: Q80982
SUGHRUE Telephone No.: 202-293-7060
Sheet 1 of 10

FIG. 1



Inventor: Yuko KAMAMURA
Application No.: 10/820,002
Group Art Unit: 3682
Filing Date: August 20, 2004
SUGHRUE Reference No.: Q80982
SUGHRUE Telephone No.: 202-293-7060
Sheet 2 of 10

FIG. 2

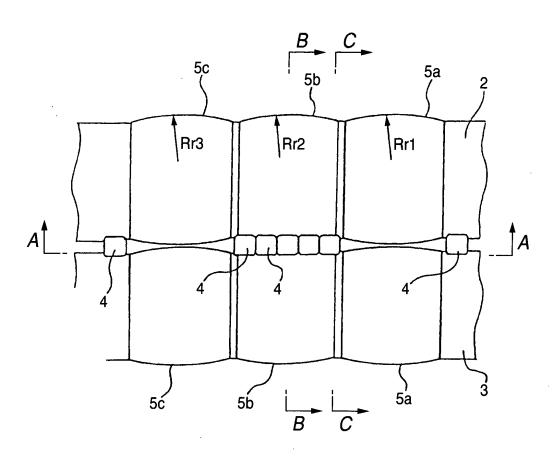
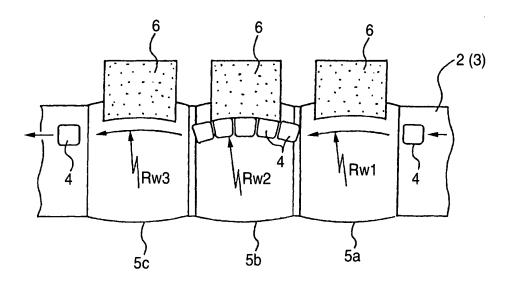


FIG. 3



Inventor: Yuko KAMAMURA
Application No.: 10/820,002
Group Art Unit: 3682
Filing Date: August 20, 2004
SUGHRUE Reference No.: Q80982
SUGHRUE Telephone No.: 202-293-7060
Sheet 3 of 10

FIG. 4

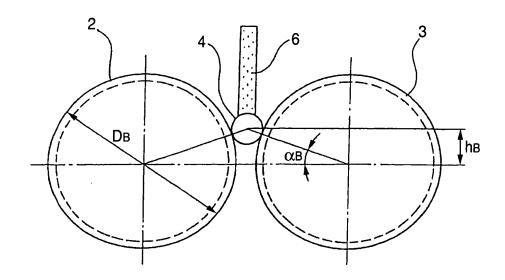
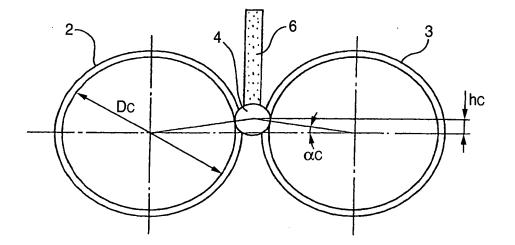


FIG. 5



Inventor: Yuko KAMAMURA
Application No.: 10/820,002
Group Art Unit: 3682
Filing Date: August 20, 2004
SUGHRUE Reference No.: Q80982
SUGHRUE Telephone No.: 202-293-7060
Sheet 4 of 10

FIG. 6

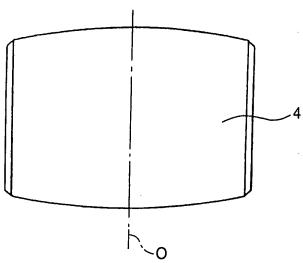
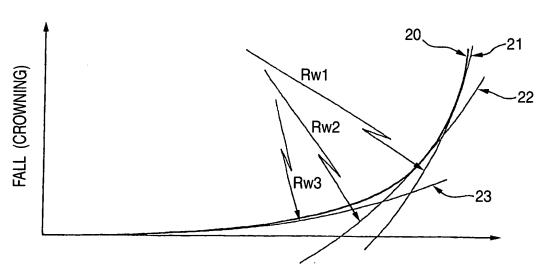


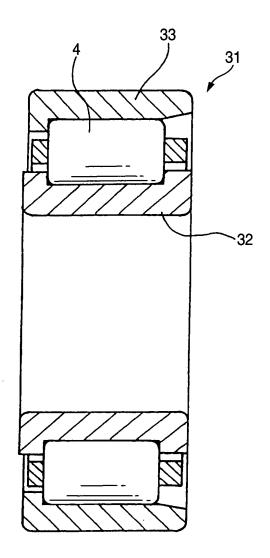
FIG. 7



DISTANCE FROM CENTER D

Inventor: Yuko KAMAMURA
Application No.: 10/820,002
Group Art Unit: 3682
Filing Date: August 20, 2004
SUGHRUE Reference No.: Q80982
SUGHRUE Telephone No.: 202-293-7060
Sheet 5 of 10

FIG. 8



Inventor: Yuko KAMAMURA
Application No.: 10/820,002
Group Art Unit: 3682
Filing Date: August 20, 2004
SUGHRUE Reference No.: Q80982
SUGHRUE Telephone No.: 202-293-7060
Sheet 6 of 10

FIG. 9

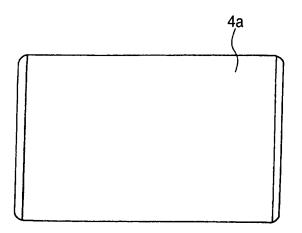
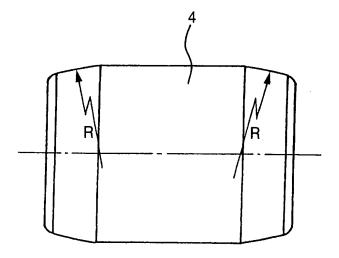
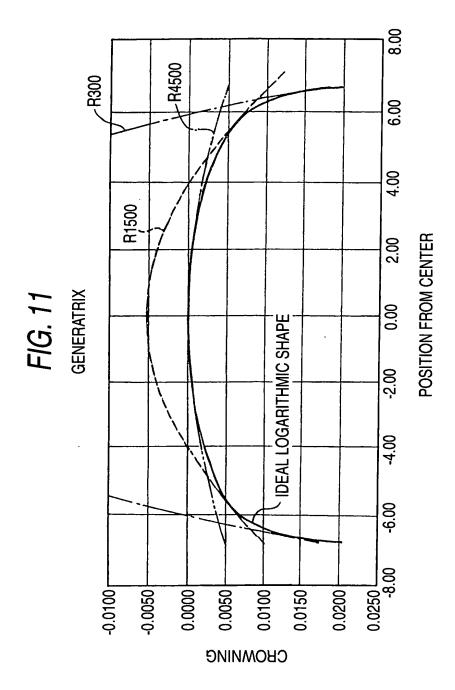


FIG. 10



Inventor: Yuko KAMAMURA
Application No.: 10/820,002
Group Art Unit: 3682
Filing Date: August 20, 2004
SUGHRUE Reference No.: Q80982
SUGHRUE Telephone No.: 202-293-7060
Sheet 7 of 10



Inventor: Yuko KAMAMURA
Application No.: 10/820,002
Group Art Unit: 3682
Filing Date: August 20, 2004
SUGHRUE Reference No.: Q80982
SUGHRUE Telephone No.: 202-293-7060
Sheet 8 of 10

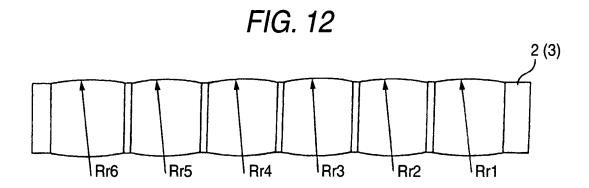
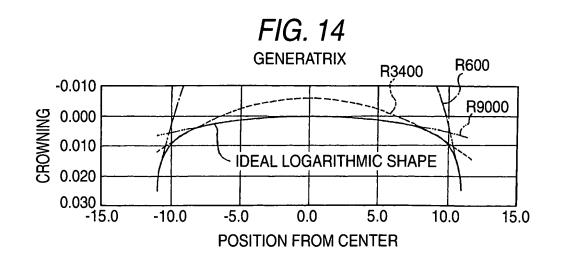


FIG. 13



Inventor: Yuko KAMAMURA
Application No.: 10/820,002
Group Art Unit: 3682
Filing Date: August 20, 2004
SUGHRUE Reference No.: Q80982
SUGHRUE Telephone No.: 202-293-7060
Sheet 9 of 10

FIG. 15

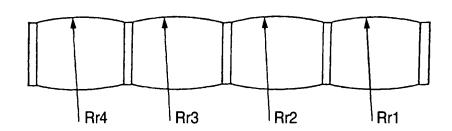


FIG. 16

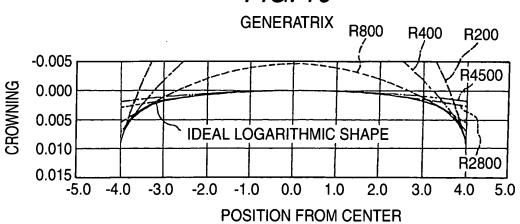
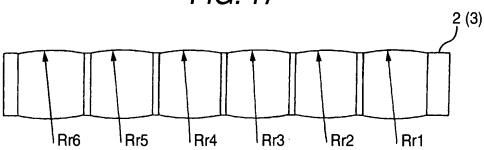


FIG. 17



Inventor: Yuko KAMAMURA Application No.: 10/820,602 Group Art Unit: 3682 Filing Date: August 20, 2004 SUGHRUE Reference No.: Q80982 SUGHRUE Telephone No.: 202-293-7060 Sheet 10 of 10

FIG. 18

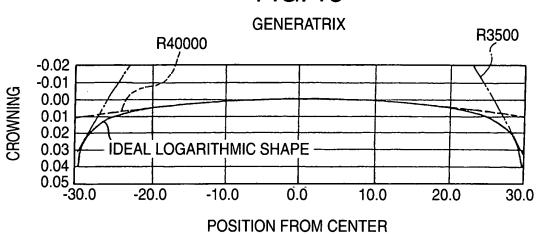


FIG. 19

